

NAVISTAR, INC

DEFECT INFORMATION REPORT

TO: Manager
Engine Programs Group (6405J)
Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

REPORT ID: 15-BB-12000716-04
Revision.: -
Ref. Investigation.: -
Ref. AFC:-
Ref. VERR:-

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DATE : December 02, 2015

The following Defect Information Report is submitted in accordance with 40 CFR §1068.501. This report addresses a software defect which occasionally causes the Electronic Control Unit (ECU) to reset, re-initializing stored OBD data.

[40 CFR §1068.501(d)(1)] MANUFACTURER CONTACT INFORMATION

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[40 CFR §1068.501(d)(2)] DEFECT DESCRIPTION

An error has been discovered concerning how the Bosch ECU (EDC17CV42) stores data into non-volatile memory after key-off. The quantity of data to be stored is software dependent. This defect occurs in software releases storing greater than 6720 bytes of data in nonvolatile memory (data stored during power down of ECU). Data in excess of 6720 bytes occasionally becomes corrupt. When the corruption is detected by the ECU it re-initializes itself, causing some diagnostic data to be reset to defaults. This re-initialization occurs approximately every 30 to 150 driving cycles depending on the amount of data stored in a given driving cycle.

[40 CFR §1068.501(d)(3)] DESCRIPTION OF VEHICLES/ENGINES AFFECTED

Software releases storing in excess of 6720 bytes were first released in October 2012, however, when vehicles are serviced; it is standard practice to re-program ECU's with the most recent software version. Therefore, 2010 and 2011 model year OBD certified engines may be affected.

<u>Engine Family Name</u>	<u>Model Year</u>	<u>Engine Model</u>	<u>Engine Plant Ship Dates</u>
ANVXH07570GA	2010	MaxxForce 13	2010
BNVXH07570GA	2011	MaxxForce 13	2011
BNVXH07570GC	2011	MaxxForce 13	2011
CNVXH07570GA	2012	MaxxForce 13	2012
CNVXH07570GC	2012	MaxxForce 13	2012
CNVXH0757TL1	2012	MaxxForce 13	2012
DNVXH07570GA	2013	MaxxForce 13	2013
DNVXH0757TL1	2013	MaxxForce 13	2013
DNVXH07570SB	2013	N13	2013
ENVXH07570SB	2014	N13	2014
FNVXH07570SB	2015	N13	2015

[40 CFR §1068.501(d)(4)] NUMBER OF ENGINES ESTIMATED TO HAVE DEFECT

<u>Engine Family Name</u>	<u>Number of Engines Affected</u>	<u>Total US Production</u>	<u>Percent of Family Affected</u>
ANVXH07570GA	Unknown	4,293	Unknown
BNVXH07570GA	Unknown	9,985	Unknown
BNVXH07570GC	Unknown	7,828	Unknown
CNVXH07570GA	Unknown	2,077	Unknown
CNVXH07570GC	Unknown	2,226	Unknown
CNVXH0757TL1	Unknown	14,282	Unknown
DNVXH07570GA	1,871	1,871	100%
DNVXH0757TL1	6,340	6,340	100%
DNVXH07570SB	5,298	5,298	100%
ENVXH07570SB	7,758	7,758	100%
FNVXH07570SB	13,853 (estimated)	13,853 (estimated)	100%

[40 CFR §1068.501(d)(5)] EVALUATION OF EMISSIONS IMPACT

This defect has no impact on emissions but does reset the OBD system. Any recorded faults are cleared. An illuminated MIL will be extinguished. Additionally, certain parameters and data stored as part of the OBD system is cleared: monitoring performance ratios and monitoring readiness.

[40 CFR §1068.501 (d)(6)] ANTICIPATED MANUFACTURER FOLLOW-UP

Navistar is currently reviewing its options with respect to corrective action.

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